DP 300566
(DEP-0048)

CLEAN VERSION OF AMENDMENTS

IN THE SPECIFICATION

Please accept the following specification paragraphs in re-written "clean form".

The following paragraph replaces the 2nd full paragraph on page 6:

B1

Referring to Figure 5, line 50 represents alumina body contraction on cooling, line 52 shows a cubic/tetragonal zirconia body on cooling, and line 54 shows the cooling curve of a zirconia body comprising about 22 weight% monoclinic phase. Note how, around 500°C, line 54 suddenly rises, showing the volumetric expansion of the tetragonal to monoclinic transformation. The mismatch of line 52 (which is a formulation like Sample 1 below) becomes worse relative to the alumina, line 50, as cooling continues.

The following paragraph replaces the 3rd full paragraph on page 7:

B2

The process for producing a conductive co-fired body includes forming a batch mixture of zirconia, yttria, and alumina, along with solvent(s) such as xylenes, ethanol, and the like, and/or dispersant(s) such as phosphate ester, Menhaden fish oil, sulfosuccinate, castor oil, and the like. This mixture is milled for a sufficient period of time to obtain a substantially homogeneous mixture, e.g., typically about 4 to about 12 hours. Thereafter, binder(s) (such as polyvinyl butyral, poly methyl methacrylate, poly vinyl formol, and the like), and plasticizer(s) (such as butyl benzyl phthalate, glycols (e.g., polyethylene glycol, and the like) and phthalates, (e.g., dimethyl phthalate, octyl phthalate, and the like) and others), can optionally be added to the mixture. The mixture is preferably mixed, e.g., milled, for an additional period of time to obtain a substantially homogeneous mixture, e.g., typically up to about 8 hours or so, to produce a slurry. The slurry produced is then preferably de-aired, which is typically achieved by pulling a vacuum on the slurry for up to about 3 minutes or so.